



Energy and Carbon Finance Program - ongoing work to enhance the regional distribution of CDM

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UNEP Risoe Centre

Energy and Carbon Finance Program

-ongoing work to enhance the regional distribution of CDM

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24 March 2012, Bonn



UNEP Risø Centre – Energy, Climate and Sustainable Development

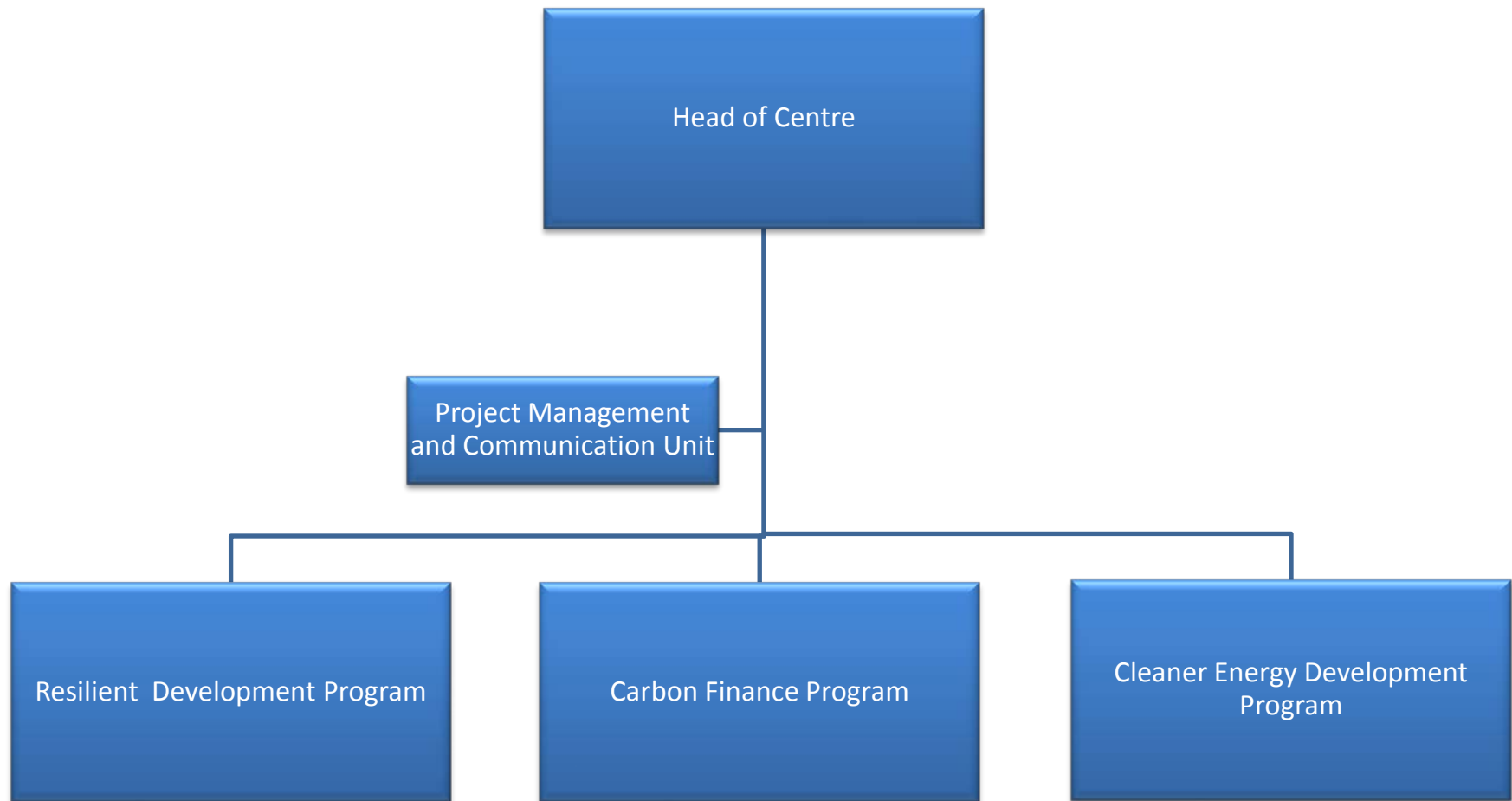
International research team of
over 40 economists and
scientists.

Based on agreement between
DTU, UNEP and Danida.
Located at Roskilde,
Denmark since 1990.

Mandate is to support and
promote UNEP activities in
the areas of energy and
climate change, with a
special emphasis on
developing countries.



UNEP Risø structure



ECF work plan 2012

Objectives:

- Continue to support UNEP's core climate change priorities related to *low carbon development*

Key areas of work:

- CDM capacity building and knowledge management
- Development of regional GEF for SAPP countries
- Loan scheme - countries with less than 10 registered projects
- CDM Bazaar
- Nairobi Framework partnership: ACF + 1 day WS, LACF, Pacific
- LCDS & NAMAs methodologies and implementation (FIRM)
- Capacity building for green growth in six sectors in UAE

CDM Capacity building and knowledge management

Projects

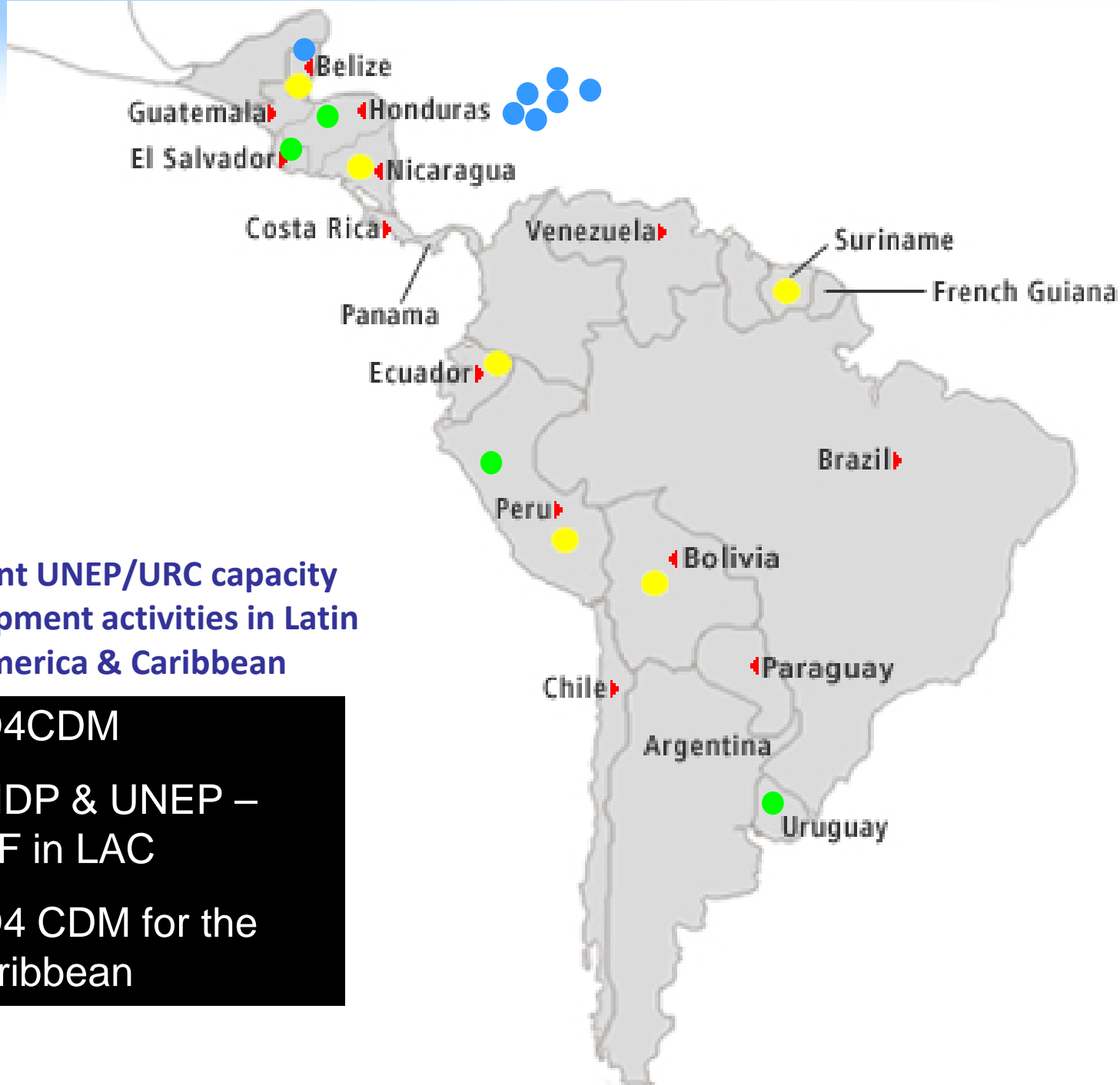
- CDM Green Facility
- UNDP/UNEP in Africa
- UNDP/UNEP in LAC
- ACAD
- ACP MEAs - CD4CDM in 12 ACP countries
- DFC Course: Green Energy and Carbon Markets



28 COUNTRIES; 11 LDC

**Current UNEP/URC capacity
development activities in Latin
America & Caribbean**

- CD4CDM
- UNDP & UNEP – LCF in LAC
- CD4 CDM for the Caribbean



Regional activities

Investment mobilization and engaging the finance sector

- African Bankers' Carbon Finance Investment Forum. May 2007, Johannesburg
- Dakar, Senegal: Carbon finance perspectives for the banking sector. Feb 12-14, 2008
- Training finance sector staff – Regional Financial Sector CDM Forum, Lima, Nov 2008
- Finance guidebook

Regional Carbon Forums

- **Africa Carbon Forum**, Senegal, Sep. 2008; Kenya, March 2010; Morocco July 2011.
- **Latin America Carbon Forums**, Quito 2006, Lima 2007, Santiago 2008, Panama 2009, DR 2010; Costa Rica, 2011
 - ✓ Knowledge and information sharing platforms
 - ✓ Bring together CDM stakeholders to benefit from:
 - ✓ Updates on Carbon markets; technical knowledge sharing on conferences; trade fair and capacity-development sessions,
 - ✓ Organizers: IETA, UNEP/Risø, WB, OLADE, UNDP, and UNFCCC



Analytical Activities & Publications



Support the informational and educational objectives of our capacity development activities

- Guidebooks on specific issues of the CDM

- Introduction to the CDM: 2002
- CDM Information and Guidebook: Dec. 2003; 2nd ed. 2011
- Institutional strategy to promote the CDM in Peru: Feb. 2004
- CDM legal issues Guidebook: May 2004
- Institutional issues in CDM implementation: May 2004
- CDM and Sustainable Development: Feb. 2004
- Guidebook on developing baselines for CDM projects: June 2004
- PDD Guidebook: Navigating the Pitfalls – 2nd, ed., 2008; 3rd ed. ,2011)
- Guidebook to Finance CDM projects: May 2007
- Implementing CDM Projects: Guidebook to Host Country Legal Issues: August 2009
- A Primer on CDM Programme of Activities: November 2009

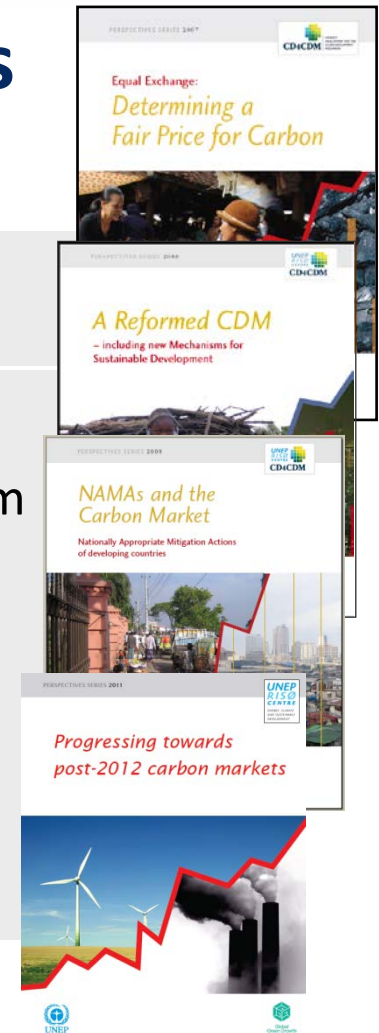


provide targeted audiences with 'reference' manuals containing clear operational instructions on concrete topics for which public information is already available.

Analytical Activities & Publications

• Carbon Market Perspective Series

- 2011 – Progressing towards post-2012 carbon markets
- 2010 – Pathways for implementing REDD+: Experiences from carbon markets and communities
- 2009 – NAMAS and the Carbon Market
- 2008 – A Reformed CDM - Including New Mechanisms For Sustainable Development
- 2007 – Equal Exchange: Determining a Fair Price for Carbon

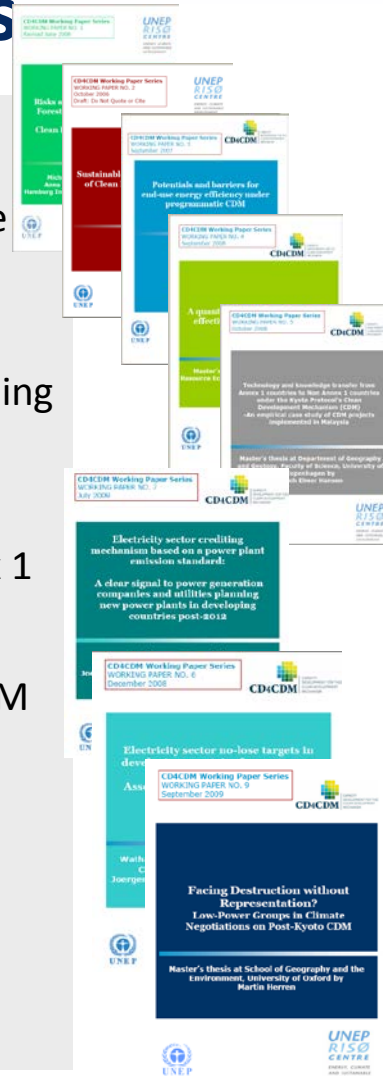


Aims at comprising an annual special feature on a topic of pivotal importance to all developing countries in the global carbon market

Analytical activities & publications

• CD4CDM Working Paper Series

1. Facing Destruction without Representation? Low-Power Groups in Climate Negotiations on Post-Kyoto CDM
2. PoA CDM Manual - Mini Biogas Plants for Households
3. Electricity sector crediting mechanism based on a power plant emission standard: A clear signal to power generation companies and utilities planning new power plants in developing countries post-2012
4. Electricity sector no-lose targets in developing countries for post-2012: Assessment of emissions reduction and reduction credits
5. Technology and knowledge transfer from Annex 1 countries to Non Annex 1 countries under the CDM - An empirical case study of CDM projects implemented in Malaysia
6. A quantitative analysis of the cost-effectiveness of project types in the CDM Pipeline
7. Potentials and barriers for end-use energy efficiency under programmatic CDM
8. Sustainable Development Benefits of Clean Development Projects
9. Risks and Chances of Combined Forestry and Biomass Projects under the Clean Development Mechanism
10. Indexing CDM distribution: Levelling the playing Field, 2011



analytical in nature and are designed to address critical policy issues and methodological barriers constraining the CDM through cutting-edge independent research.

SAPP GEF

Objective:

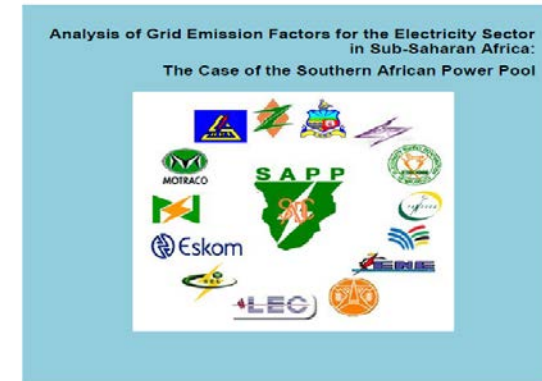
- To enhance access to the carbon market in Africa

Rationale:

- Study commissioned by URC, UNEP and ACAD with support from BMU to facilitate investments in RE in the SAPP region
- Several SAPP countries depend on hydropower and have zero or low GEFs, hence CDM does not offset anything
- A regional GEF can cater for countries with zero or low GEFs on their own when they export/import to CO₂ intensive countries

Results:

- The study has been validated and is in the process of being endorsed by SAPP and member countries



Report prepared by GFA ENVEST GmbH



Table1: Summary of the Regional GEF

| | | | |
|--|------------------|------------------|---|
| OM Emission Factor (in t-CO ₂ /MWh) | 0.9346 | | |
| BM Emission Factor (in t-CO ₂ /MWh) | 0.9007 | | |
| | Weight of the OM | Weight of the BM | CM Emission Factor (in tCO ₂ /MWh) |
| Wind and solar power generation project activities for the first crediting period and for subsequent crediting periods | 0.75 | 0.25 | 0.9261 |
| All other projects for the first crediting period | 0.50 | 0.50 | 0.9176 |
| All other projects for the second and third crediting period | 0.25 | 0.75 | 0.9092 |

CDM Loan Scheme

Objective

- To improve access to CDM for countries with less than 10 registered CDM activities

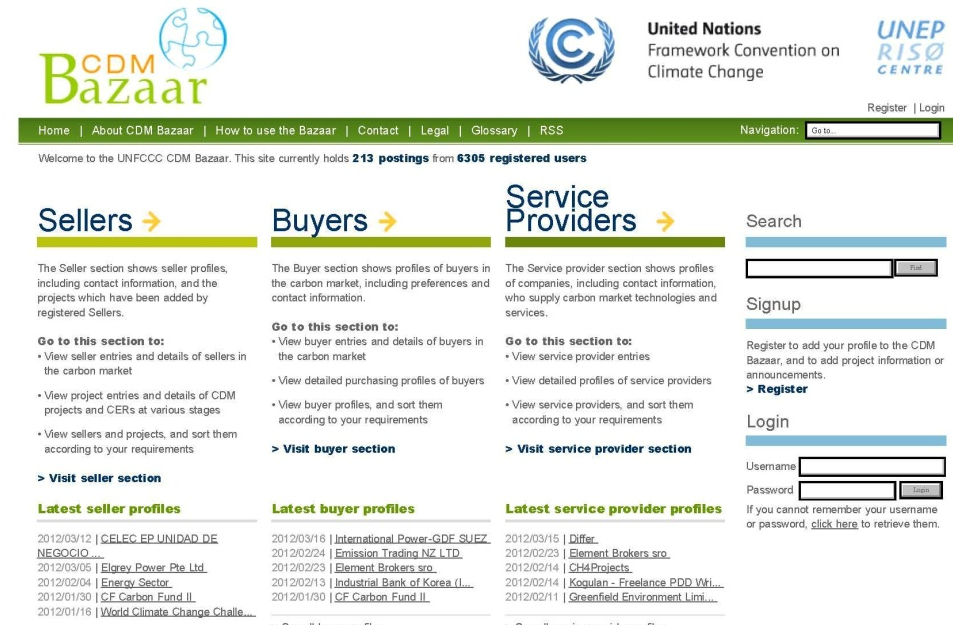
Rationale

- Decisions at CMP5 and CMP6 specifically requested the UNFCCC Secretariat to set up a loan scheme for the financing of CDM development costs.
- Access to funding will help CDM project owners to trade CERs at higher prices through unilateral registration

Result

- The Loan Scheme will be launched at the CDM Bazaar April 18 at the ACF2012 in a partnership between UNOPS and URC

CDM Bazaar



The screenshot shows the CDM Bazaar website. At the top, there is a navigation bar with links: Home, About CDM Bazaar, How to use the Bazaar, Contact, Legal, Glossary, RSS. A navigation search bar is on the right. Below the navigation bar, a welcome message states: "Welcome to the UNFCCC CDM Bazaar. This site currently holds 213 postings from 6305 registered users". The main content area is divided into three columns: Sellers, Buyers, and Service Providers. Each column has a description of the section, a list of links to go to the section, and a list of latest profiles. The Sellers column includes links to view seller entries, project entries, and sellers/projects sorted by requirements. The Buyers column includes links to view buyer entries, detailed purchasing profiles, and buyer profiles sorted by requirements. The Service Providers column includes links to view service provider entries, detailed profiles, and service providers sorted by requirements. On the right side, there is a Search bar, a Signup section with a registration form, and a Login section with a login form.

Analytical activities & publications

- **CDM data & analysis - CDM&JIPipeline**

- A web based data base compiling CDM projects
- Analysis and market surveillance
- Projections of GHG emission reductions
- Calculation of different parameters
- It also contains the baseline & monitoring methodologies, a list of DOEs and several analyses. Almost all information is from cdm.unfccc.int and ji.unfccc.int.



The screenshot shows the homepage of the UNEP RISO CDM&JI Pipeline Analysis and Database. It features a green header with the UNEP RISO CENTRE logo and a navigation menu. The main content area includes a table of project types, a welcome message, and a list of links to various resources. A sidebar on the right contains contact information for Joergen Fenhann and Lars R. Appelquist, as well as a list of downloads.

| Project Type | Percentage | Count | Percentage | Count |
|-------------------------------|------------|-------|------------|-------|
| Biogas | 5% | 1294 | 5% | 1294 |
| Cement | 5% | 1468 | 1% | 1468 |
| EE Households | 3% | 328 | 7% | 328 |
| Agriculture | 2% | 1798 | 1% | 1798 |
| Reforestation & Reforestation | 2% | 318 | 1% | 318 |

Welcome to the UNEP RISO CDM&JI Pipeline Analysis and Database

The CDM&JI Pipeline Analysis and Database contains all CDM&JI projects that have been sent for validation/determination. It also contains the baseline & monitoring methodologies, a list of DOEs and several analyses. Almost all information is from cdm.unfccc.int and ji.unfccc.int.

This monthly newsletter shows a sample of the analysis in the Pipeline. If you want more information, then look into the left column and click on the links to sub-pages or click on the download for the full Pipeline, which contain tables with a line of key information for all CDM and JI projects. You can also download a rather old guidance document to the Pipeline.

We publish regularly analysis in the "CDM&JI Analysis" section on www.carbon-financeonline.com (access to this section is free of charge).

» Go to overview page

Please cite as "UNEP RISO CDM&JI Pipeline Analysis and Database, September 1st 2008".

Please do not put the spreadsheets on other web-sites, you may only put a link to them on this site.

Contact

If you have comments or questions please contact:

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j.fenhann@risoe.dk

Lars R. Appelquist
lars.rosendahl@risoe.dk

Kasper Agger
kasper.agger@risoe.dk

Downloads

- CDM Pipeline overview 
- CDM project distribution within host countries by region and type 
- JI Pipeline overview 
- Guidance document  (updated February 2008)

Data base and analysis providing monthly



Welcome to CDM Methodologies & Technologies

CDM is a rapidly growing instrument for promotion of clean development projects in developing countries. As it grows and more sectors get involved in carbon emissions reduction activities it is increasingly challenging to keep abreast of the technological options available and particularly how to develop such options into successful CDM project activities. One of the key issues in this regard is the choice of the most relevant methodology to serve as platform for developing the project.

The CDM METHODOLOGIES & TECHNOLOGIES SELECTION TOOL provides:

- Easy access to a complete overview of all methodology options based on the specific project characteristics – use the Methodology Selection Tool on the right
- Easy access to general economic sector overviews, the relevant technologies applied in a given sector for emissions reduction – and statistics on CDM projects in the sector – use the technology selection tool on the right
- A discussion forum that allows practitioners' exchange of experience on the practical application of methodologies for specific technologies – go to forums in the banner above or go to the dedicated forums directly from the methodology search results

The site is updated with the latest statistics on a monthly basis using the UNEP/Risoe CDM Pipeline (see the link to the left), thus ensuring that all methodological developments are recorded and presented. We invite you to explore the site and welcome any feedback on the tool.

Updates

Updates coming soon

Technology

- A snapshot review of technologies used to date in CDM activities, including:
 - Examples of application
 - Investment
 - Estimated CERs revenues
 - Performance under CDM
 - Methodology applicable to the technology

Methodology Selection Tool

Go directly to specific methodologies:

- + Agriculture and Forests
- + Waste
- + Conventional Power Production
- + Heating Systems
- + Renewable Energy
- + Power Consumption
- + Industrial Production Processes
- + Transportation

Technology Selection Tool

Choose sector to see full site content:

- ▶ Agriculture and Forests
- ▶ Waste
- ▶ C
- ▶ H
- ▶ R
- ▶ P
- ▶ I
- ▶ T

Methodology

- A handy and simple tool
- Categorizes methodologies by technology
- Facilitates choosing a methodology that is applicable to a specific type of CDM project
- Builds on the list of approved methodologies updated monthly at the CDM/JI pipeline



United Nations
Framework Convention on
Climate Change



[Register](#) | [Login](#)

[Home](#) | [About CDM Bazaar](#) | [How to use the Bazaar](#) | [Contact](#) | [Legal](#) | [Glossary](#) | [RSS](#)

Navigation:

Welcome to the UNFCCC CDM Bazaar. This site currently holds **205 postings** from **6000 registered users**

Sellers →

The Seller section shows seller profiles, including contact information, and the projects which have been added by registered Sellers.

Go to this section to:

- View seller entries and details of sellers in the carbon market
- View project entries and details of CDM projects and CERs at various stages
- View sellers and projects, and sort them according to your requirements

> Visit seller section

Latest seller profiles

2012/01/16 | [World Climate Change Challe...](#)
2012/01/15 | [Bluemarble Carbon Asset](#)
2012/01/04 | [ALLCOT Group](#)
2012/01/03 | [ClimaXmi](#)
2011/12/09 | [HIDROTOAPLE.P.](#)

> See all seller profiles

Buyers →

The Buyer section shows profiles of buyers in the carbon market, including preferences and contact information.

Go to this section to:

- View buyer entries and details of buyers in the carbon market
- View detailed purchasing profiles of buyers
- View buyer profiles, and sort them according to your requirements

> Visit buyer section

Latest buyer profiles

2012/01/13 | [Carbon Management Consultin...](#)
2012/01/07 | [Final Carbon](#)
2011/12/13 | [Meteor Clean Energy Fund](#)
2011/10/06 | [E E Giannidi](#)
2011/09/26 | [Managing Emissions Pvt Ltd](#)

> See all buyer profiles

Service Providers →

The Service provider section shows profiles of companies, including contact information, who supply carbon market technologies and services.

Go to this section to:

- View service provider entries
- View detailed profiles of service providers
- View service providers, and sort them according to your requirements

> Visit service provider section

Latest service provider profiles

2012/01/18 | [Softpoint Consultant and eng...](#)
2012/01/17 | [Formac Electronics Ltd.](#)
2012/01/16 | [Ozone3](#)
2012/01/15 | [COWI Consulting A/S](#)
2012/01/13 | [Carbon Management Consultin...](#)

> See all service provider profiles

Search

Signup

Register to add your profile to the CDM Bazaar, and to add project information or announcements.

> Register

Login

Username

Password

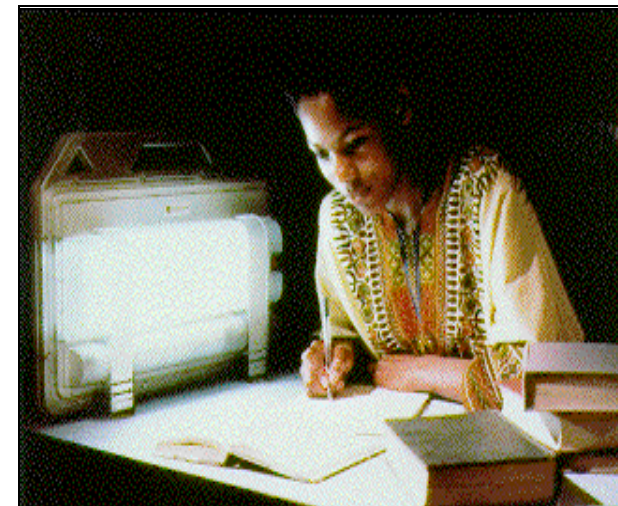
If you cannot remember your username or password, [click here](#) to retrieve them.

Facilitating Implementation and Readiness for Mitigation - (FIRM) Moving from TAPs to LCDS

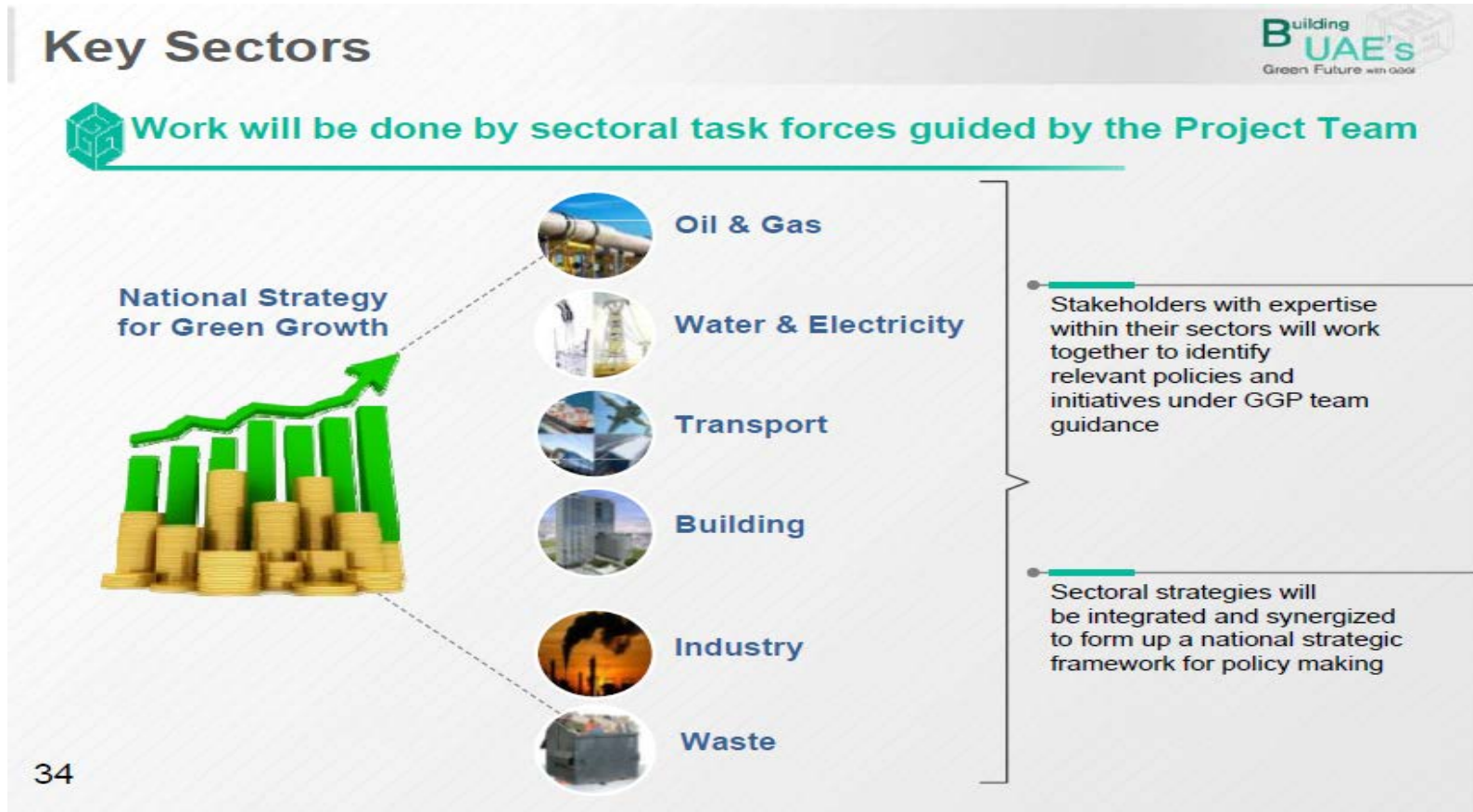
- i. FIRM will in addition to country activities develop or enhance guidelines for LCDS development and NAMA criteria, MRV approaches, and tools for analyzing and prioritizing mitigation actions.
- ii. The project will be implemented by UNEP and build directly on the GEF-funded Technology Needs Assessment Programme in the participating countries
- iii. Cross regional where four countries in Africa will be engaged and the ambition is to expand this number in cooperation with the African Climate Policy Center (ACPC) and the Global Green Growth Institute (GGGI)



Photo: Courtesy Selco



Capacity development for six green growth sectors plans in United Arab Emirates (UAE)



Thank you!



More information:
<http://uneprisoe.org>
<http://cd4cdm.org>
<http://cdmbazaar.net>
<http://cdmpipeline.org>
<http://acp-cd4cdm.org>
<http://cdm-meth.org>